

ABSTRACT OF THE DISCLOSURE

An arrangement for passive gas sampling of a breathing gas in a breathing system allows sampling during both inspiration and expiration. The arrangement has a tube-piece having a first connector for receiving an inspiratory gas flow, a second connector for delivering an expiratory gas flow and a third connector for delivering the inspiratory gas flow and receiving the expiratory gas flow, a first port arranged between the second connector and the third connector and connected to a measurement chamber, a second port arranged between the first connector and the third connector and connected to the measurement chamber and a third port arranged between the first connector and the second connector and connected to the measurement chamber. The tube-piece is formed such that when an inspiratory flow passes through the tube-piece, a flow is established principally between the first port, the measurement chamber and the second port, and that when an expiratory flow passes through the tube-piece a flow is established principally between the third port, the measurement chamber and the first port.

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